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## OM protein - protein search, using sw model1

Run on: June 18, 2003, 15:26:51 ; Search time 12.8234 Seconds  
(without alignments) 775.530 Million cell updates/sec

Title: US-09-807-933B-7

Perfect score: 1826  
Sequence: 1 MKFTVAITSAVALALSSA.....TFKEVTCFAELTRSGCERK 338Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	769.5	42.1	299	2	US-08-872-437-2
2	769.5	42.1	299	3	US-08-651-136C-12
3	769.5	42.1	299	4	US-09-229-911A-12
4	768.5	42.1	306	4	US-09-189-060B-68
5	761.5	41.7	225	3	US-08-651-136C-2
6	761.5	41.7	225	4	US-09-229-911A-2
7	761.5	41.7	297	3	US-08-651-136C-4
8	761.5	41.7	297	4	US-09-229-911A-4
9	761.5	41.7	308	4	US-08-651-136C-6
10	761.5	41.7	308	4	US-09-229-911A-6
11	735	40.3	349	3	US-08-651-136C-10
12	735	40.3	349	4	US-09-229-911A-10
13	729.5	40.0	306	4	US-09-189-060B-66
14	727.5	39.8	304	4	US-09-189-060B-72
15	725	39.7	307	4	US-09-189-060B-74
16	722.5	39.6	222	3	US-08-651-136C-14
17	722.5	39.6	222	4	US-09-229-911A-14
18	722.5	39.6	294	4	US-08-651-136C-24
19	722.5	39.6	294	4	US-09-229-911A-24
20	718	39.3	285	4	US-09-230-225B-6
21	718	39.3	305	4	US-09-230-222-1
22	717	39.3	286	4	US-09-254-733-3
23	714	39.1	376	1	US-08-090-013-4
24	714	39.1	376	1	US-08-081-328-4
25	714	39.1	376	1	US-08-232-249-4
26	714	39.1	376	2	US-08-833-642A-4
27	714	39.1	376	2	US-08-389-423-4

28	714	39.1	376	4	US-09-230-665-4	Sequence 4, Appli
29	714	39.1	376	4	US-09-189-028-4	Sequence 4, Appli
30	712.5	39.0	308	4	US-09-189-060B-70	Sequence 70, Appl
31	712.5	39.0	357	1	US-08-411-777-9	Sequence 9, Appli
32	712.5	39.0	357	3	US-09-057-088-9	Sequence 9, Appli
33	711	38.9	357	3	US-09-230-665-6	Sequence 6, Appli
34	711	38.9	305	1	US-08-090-013-2	Sequence 2, Appli
35	711	38.9	305	1	US-08-081-328-2	Sequence 2, Appli
36	711	38.9	305	1	US-08-232-249-2	Sequence 2, Appli
37	711	38.9	305	2	US-08-921-426-8	Sequence 8, Appli
38	711	38.9	305	2	US-08-833-642A-2	Sequence 2, Appli
39	711	38.9	305	2	US-08-140-008A-4	Sequence 4, Appli
40	711	38.9	305	2	US-08-836-340-1	Sequence 1, Appli
41	711	38.9	305	2	US-08-389-423-2	Sequence 2, Appli
42	711	38.9	305	3	US-08-816-915-8	Sequence 8, Appli
43	711	38.9	305	4	US-09-189-060B-56	Sequence 56, Appl
44	711	38.9	305	4	US-09-230-665-2	Sequence 2, Appli
45	711	38.9	305	4	US-09-189-028-2	Sequence 2, Appli

## ALIGNMENTS

```
RESULT 1
US-08-872-437-2
Sequence 2, Application US/08872437
Patent No. 5958082
GENERAL INFORMATION:
APPLICANT: Lund, Henrik
APPLICANT: Kalum, Lisbeth
TITLE OF INVENTION: Garments with Considerable Variation in
TITLE OF INVENTION: Abrasion Level
FILE REFERENCE: 4888,200-US
CURRENT APPLICATION NUMBER: US/08/872,437
CURRENT FILING DATE: 1997-06-10
EARLIER APPLICATION NUMBER: 1276/96
EARLIER FILING DATE: 1996-11-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 299
TYPE: PRT
ORGANISM: Thielavia terrestris
US-08-872-437-2

Query Match      42.1%; Score 769.5; DB 2; Length 299;
Best Local Similarity 60.7%; Pred. No. 1.1e-54;
Matches 133; Conservative 33; Mismatches 48; Indels 5; Gaps 2;

QY      120 TSSAGYKVISGKSGSGSTTRMYDCKKASGWPGRKASVYGPVDTCAISNGISLIDANAS 179
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB      9  TITLAAIPLVNASASGSGSTRYMDCKKPCSCAMGRKASVSPVYACDANFRLSDFNVS 68
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY      180 GCNGGNGFMGNNOQPMVAINDLAYGFAAASIASNEAGWCCGYELFTSGAASGKXNV 239
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB      69 GCNGGSAVSCADQFPMVAINDLAYGFAATSIAGSSBSWCCACALFTSGPVAKTMV 128
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY      240 QVTITGDLGSHNFDLQMPGGGCVGIFNGCAAQWCA-PWDGKGARYGVSSVSDCASLPSA 298
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB      129 QSTGTGDLGSHNQDIAMPGGGCVGIFNGCSQFQGLP----GAQYGGIISRDCQDSFPAP 184
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY      299 LQAGCKRFMMFKXNDPMTFKEVTCFAELTRSGCERK 337
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB      185 LKPGCQRFMFQADNPTFTFQOVQCPAELTVARSCKR 223
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 2
US-08-651-136C-12
Sequence 12, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
```

APPLICANT: Schuelein, Martin  
Anderssen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu

1. APPLICANT: Dahlborg, Henrik  
 2. APPLICANT: Sande, Thomas  
 3. APPLICANT: Kauppinen, Markus  
 4. APPLICANT: Borg, Diderichsen  
 5. TITLE OF INVENTION: Method Of Providing No. 6270966el DNA Sequences  
 6. FILE REFERENCE: 4772.204-US  
 7. CURRENT APPLICATION NUMBER: US/09/189,060B  
 8. CURRENT FILING DATE: 1998-11-10  
 9. PRIOR APPLICATION NUMBER: PCT/DK97/00216  
 10. PRIOR FILING DATE: 1997-05-12

MOLECULE TYPE: protein

SEQUENCE	DESCRIPTION	SEQ ID NO:
US-09-229-911A-2		2

Query Match 41.7%; Score 761.5; DB 4; Length 297;  
Best Local Similarity 62.1%; Pred. No. 3,6e-54;  
Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

134 SSGSSTRYWDCKKASCSWPGKASVTGPDTCASNGISILD-ANAOSGCN-GGNGFMCNN 191  
21 SGIGOTTRWDCCKPSCAMPKGP-SSPVQACDKNDNPLNDGSTRSGCDAGSAYMCS 79  
192 NOPAVNDELAYGPAASIASGNEAGCCGCELTFTSGAASGKMMVQVNTGDLGNN 251  
80 OSPMAVSDLSYGMAVAVKLASSSOMCCACTELFTSGPVAAGKMTVQATNTGDLGDN 139  
252 HFDLWPGGAGVIFNGCAQWGAHPNDGWARVGVSVSDCASLPSALQAGCKRFRWFK 311  
140 HFDLWPGGAGVIFNGCAQWGAHPNDGWARVGVSVSDCASLPSALQAGCKRFRWFK 199

312 NSDNPMTFKVETCPAELTTRSGCER 337  
200 NADNPSTFQEVACPSBELTSSKSCSR 225

RESULT 7  
US-08-651-136C-4  
Sequence 4, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schultein, Martin  
APPLICANT: Laersen, Lene N.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. 6001639e1 of No. 6001639e1 America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651.136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 297 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-4

Query Match 41.7%; Score 761.5; DB 3; Length 297;  
Best Local Similarity 62.1%; Pred. No. 5e-54;  
Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

134 SSGSSTRYWDCKKASCSWPGKASVTGPDTCASNGISILD-ANAOSGCN-GGNGFMCNN 191

Db 21 SGIGOTTRWDCCKPSCAMPKGP-SSPVQACDKNDNPLNDGSTRSGCDAGSAYMCS 79  
Qy 192 NOPAVNDELAYGPAASIASGNEAGCCGCELTFTSGAASGKMMVQVNTGDLGNN 251  
Db 80 OSPMAVSDLSYGMAVAVKLASSSOMCCACTELFTSGPVAAGKMTVQATNTGDLGDN 139  
Qy 252 HFDLWPGGAGVIFNGCAQWGAHPNDGWARVGVSVSDCASLPSALQAGCKRFRWFK 311  
Db 140 HFDLWPGGAGVIFNGCAQWGAHPNDGWARVGVSVSDCASLPSALQAGCKRFRWFK 199

312 NSDNPMTFKVETCPAELTTRSGCER 337  
200 NADNPSTFQEVACPSBELTSSKSCSR 225

RESULT 8  
US-09-229-911A-4  
Sequence 4, Application US/09229911A  
Patent No. 6387690  
GENERAL INFORMATION:  
APPLICANT: Schultein, Martin  
APPLICANT: Laersen, Lene N.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. 6387690e1 of No. 6387690e1 America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229.911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651.136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 297 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-229-911A-4

Query Match 41.7%; Score 761.5; DB 4; Length 297;  
Best Local Similarity 62.1%; Pred. No. 5e-54;  
Matches 128; Conservative 32; Mismatches 43; Indels 3; Gaps 3;

134 SSGSSTRYWDCKKASCSWPGKASVTGPDTCASNGISILD-ANAOSGCN-GGNGFMCNN 191  
21 SGIGOTTRWDCCKPSCAMPKGP-SSPVQACDKNDNPLNDGSTRSGCDAGSAYMCS 79

[illegible]

## RESULT 9

US-08-651-136C-6  
Sequence 6, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Laesen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: No. 6001639q No. 6001639disk of No. 6001639ch America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0133  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 308 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-6

D<sub>b</sub>      140 HFDLALRGSGVGIGFPAACDQGYAPRPNMGDXYGGIHSHECESTPELMJKPCNNRPDMFQ 199  
Q<sub>y</sub>      312 NSDNPTMTKEVYTCPAELTTRSGCR 337  
         |:|:::|| |::||::||| |  
D<sub>b</sub>      200 NADNPSVTFGVACPBLTSLKSGCSR 225

RESULT 10

```

US-09-229-911A-6
: Sequence 6, Application US/09229911A
: Patent No. 6387690
: GENERAL INFORMATION:
: APPLICANT: Schulein, Martin
: Andersen, Lene N.
: Lassen, Soren F.
: Kauppinen, Markus S.
: Lange, Lene
: Nielsen, Ruby I.
: Ihara, Michiko
: Takagi, Shinobu
: TITLE OF INVENTION: No. 6387690e1 Endoglucanases
: NUMBER OF SEQUENCES: 109
: CORRESPONDENCE ADDRESS:
: ADDRESS: No. 6387690o No. 6387690d1ak of No. 6387690th America, Inc.
: STREET: 405 Lexington Avenue, 64th Floor
: CITY: New York
: STATE: New York
: COUNTRY: United States of America
: ZIP: 10174-6401
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/229,911A
: FILING DATE: 13-Jan-1999
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/651,136
: FILING DATE: 21-MAY-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Lambiris, Elias J.
: REGISTRATION NUMBER: 33,728
: REFERENCE/DOCKET NUMBER: 4366,200-US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-867-0123
: TELEFAX: 212-878-9655
: INFORMATION FOR SEQ ID NO: 6:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 308 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-229-911A-6

```





Patent No. 6270968  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
APPLICANT: Sandal, Thomas  
APPLICANT: Kauppinen, Markus  
APPLICANT: Borge, Diderichsen  
TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
FILE REFERENCE: 4772.204-US  
CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 66  
LENGTH: 306  
TYPE: PRT  
ORGANISM: Hybrid  
US-09-189-060B-66

Query Match 40.0%; Score 729.5; DB 4; Length 306;  
Best Local Similarity 59.8%; Pred. No. 2e-51;  
Matches 127; Conservative 31; Mismatches 52; Indels 3; Gaps 1;

Qy 125 GYKVISGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCAISGLDANAOAGCGNG 184  
Db 14 GLQVAAAPAPADGSTRYWDCKPCSCWPGKALVNPVYANNINFORITDPAKSGCDGG 73  
Qy 185 NGFMCNNQPMWAVNDELAYGFAAASIAGSNEAGWCCGCELTFTSGAASGKMMVQVYNT 244  
Db 74 SAFSCADQTPWAVSDPFAVGFPAATALAGSESSWCCACYEELTFTSGPAGKMAVQSTST 133  
Qy 245 GGDLSNHFPLDMFGGCVGIFNGCAQWGAINDMGARYGVSSVSDCASLPSALQAGCK 304  
Db 134 GGDLSNHFPLDMFGGCVGIFDGCSPVGGIA---GGRYGVSSRSRSECDSPALKEGCV 190  
Qy 305 WRFNMFKNNDNPTMTFEKVTCPAELTTRSGCER 337  
Db 191 WRDWMFKNADNPFSPFROVQCPAELVARTGCR 223

RESULT 14  
US-09-189-060B-72  
Sequence 72, Application US/09189060B  
Patent No. 6270968  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
APPLICANT: Sandal, Thomas  
APPLICANT: Kauppinen, Markus  
APPLICANT: Borge, Diderichsen  
TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
FILE REFERENCE: 4772.204-US  
CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 72  
LENGTH: 304  
TYPE: PRT  
ORGANISM: Hybrid  
US-09-189-060B-72

Query Match 39.8%; Score 727.5; DB 4; Length 304;  
Best Local Similarity 58.9%; Pred. No. 2.9e-51;  
Matches 126; Conservative 33; Mismatches 50; Indels 5; Gaps 2;

Qy 125 GYKVISGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCAISGLDANAOAGCGNG 184  
Db 12 GLQVAAAPAPADGSTRYWDCKPCSCWPGKASVSPVRTCDANNISPLSDVAKSACDGG 71  
Qy 185 NGFMCNNQPMWAVNDELAYGFAAASIAGSNEAGWCCGCELTFTSGAASGKMMVQVYNT 244

Db 72 VAYTCSNNAWMAVNDNLNLSYGAATAINGSESSWCCACYKLTFTSGPASGKMMVQSTNT 131  
Qy 245 GGDLSNHFPLDMFGGCVGIFNGCAQWGA-PNDMGARVGVSSVSDCASLPSALQAGC 303  
Db 132 GYDLSNHFPLDMFGGCVGAFDGSRYGSIP---GERYGVTSRDQCDMPALXQGC 187  
Qy 304 WRFNMFKNNDNPTMTFEKVTCPAELTTRSGCER 337  
Db 188 WRDWMFKNADNPFSPFROVQCPAELVARTGCR 221

RESULT 15  
US-09-189-060B-74  
Sequence 74, Application US/09189060B  
Patent No. 6270968  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
APPLICANT: Sandal, Thomas  
APPLICANT: Kauppinen, Markus  
APPLICANT: Borge, Diderichsen  
TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
FILE REFERENCE: 4772.204-US  
CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 74  
LENGTH: 307  
TYPE: PRT  
ORGANISM: Hybrid  
US-09-189-060B-74

Query Match 39.7%; Score 725; DB 4; Length 307;  
Best Local Similarity 58.7%; Pred. No. 4.6e-51;  
Matches 125; Conservative 30; Mismatches 56; Indels 2; Gaps 1;

Qy 125 GYKVISGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCAISGLDANAOAGCGNG 184  
Db 14 GLQVAAAPAPADGSTRYWDCKPCSCWPGKAPVGSVGTCDAGNSPLGDLAKSGCEG 73  
Qy 185 NGFMCNNQPMWAVNDELAYGFAAASIAGSNEAGWCCGCELTFTSGAASGKMMVQVYNT 244  
Db 74 PSYTCANYQPMWAVNDQLAYGPAATAIINGGTBDSWCCACYKLTFTDGPASGKTMIVQSTNT 133  
Qy 245 GGDLSNHFPLDMFGGCVGIFNGCAQWGA-PNDMGARYGVSSVSDCASLPSALQAGCK 304  
Db 134 GGDLSNHFPLDMFGGCVGIFDGTSGYQALP---GAQYGVSSRABCDQWPEALIKAGCQ 191  
Qy 305 WRFNMFKNNDNPTMTFEKVTCPAELTTRSGCER 337  
Db 192 WRDWMFKNADNPFSPFROVQCPAELVARTGCR 224

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